

## MEISi-1

## Chemical Properties

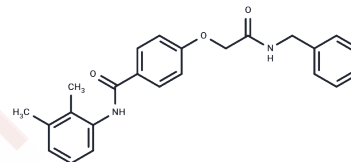
CAS No. : 446306-43-0

Formula: C<sub>24</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight: 388.46

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	MEISi-1 is a small-molecule inhibitor targeting the homeodomain of MEIS1 protein. MEISi-1 can significantly inhibit the activity of luciferase reporter genes containing MEIS binding sites, and promote the self-renewal of key hematopoietic stem cells (HSCs) in both mice and humans in vitro and in vivo. It can be used in research on hematological diseases, cardiac regeneration, cancer and other related fields.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 140 mg/mL (360.4 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5743 mL	12.8713 mL	25.7427 mL
5 mM	0.5149 mL	2.5743 mL	5.1485 mL
10 mM	0.2574 mL	1.2871 mL	2.5743 mL
50 mM	0.0515 mL	0.2574 mL	0.5149 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Turan R D, et al. Development of Small Molecule MEIS Inhibitors that modulate HSC activity[J]. Scientific reports, 2020, 10(1): 7994.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481